

At Metals And Welding Specialities, we take pride in supplying premium-quality welding consumables engineered for superior performance and reliability. The **UTP 6170CO MIG & TIG Welding Wire** wire is a high-performance nickel-chromium-molybdenum alloy filler metal designed for precision welding in demanding industrial environments. Classified under UNS N06617, ASTM Grade ERNiCrCoMo-1, and known globally by its Universal Standard name: Alloy 617, this product delivers exceptional resistance to oxidation, creep, and corrosion at elevated temperatures.



Table Of Content

- [What is UTP 6170CO MIG & TIG Welding Wire?](#)
- [Specification of UTP 6170CO MIG & TIG Welding Wire](#)
- [Equivalent Grade Of UTP 6170CO MIG & TIG Welding Wire](#)
- [Chemical Composition of UTP 6170CO MIG & TIG Welding Wire](#)
- [UTP 6170CO MIG & TIG Welding Wire Parameters](#)
- [People Searched for UTP 6170CO MIG & TIG Welding Wire](#)
- [Supply Cities of UTP 6170CO MIG & TIG Welding Wire](#)
- [Export Countries of UTP 6170CO MIG & TIG Welding Wire](#)

The **UTP 6170CO** wire is developed for both **MIG** and **TIG welding**, making it a versatile solution for industries where reliability and strength are non-negotiable. It exhibits excellent weldability on base metals such as Inconel 617, Incoloy, and other nickel-based alloys. Its balanced chemical composition ensures high tensile strength, superior metallurgical stability, and outstanding crack resistance—even under extreme thermal stress. The result is a clean, consistent weld deposit that maintains integrity in service conditions up to 1100°C.



UTP 6170CO MIG & TIG Welding Wire, UTP 6170CO MIG & TIG Welding Wire Manufacturers, UTP 6170CO MIG & TIG Welding Wire Suppliers, UTP 6170CO MIG & TIG Welding Wire Stockists, UTP 6170CO MIG & TIG Welding Wire Exporters

Engineers and fabricators rely on **UTP 6170CO MIG & TIG Welding Wire** wires for components in gas turbines, chemical processing equipment, heat exchangers, and power generation systems. Its unique composition containing nickel, chromium, cobalt, and molybdenum ensures resistance to carburization and oxidation, while its low carbon content minimizes carbide precipitation, preserving ductility and corrosion resistance. When precision and durability define success, this filler wire performs far beyond conventional alloys.

Produced under stringent quality control standards, the UTP 6170CO wire is designed to deliver consistent feedability and arc stability. The smooth metal transfer during welding reduces spatter and post-weld cleaning, making it ideal for automated and manual applications alike. Its microstructure remains stable under cyclic thermal loads, offering unmatched performance in both fabrication and repair work.



UTP 6170CO MIG & TIG Welding Wire in India, UTP 6170CO MIG & TIG Welding Wire Manufacturers in India, UTP 6170CO MIG & TIG Welding Wire Suppliers in India, UTP 6170CO MIG & TIG Welding Wire Stockists in India, UTP 6170CO MIG & TIG Welding Wire Exporters in India

Metals And Welding Specialities is committed to supplying certified, traceable, and technically validated products. The **UTP 6170CO MIG & TIG Welding Wire** wire is available in multiple diameters and packaging options, ensuring compatibility with diverse operational requirements. Every spool meets international standards for chemical composition, mechanical properties, and weld integrity, making it a trusted choice for critical high-temperature applications.

Whether you're welding superalloy components for the aerospace industry or constructing refinery systems that demand superior corrosion resistance, UTP 6170CO MIG & TIG Welding Wire provides the strength and stability you can count on. Choose Metals And Welding Specialities for materials engineered to outperform, under pressure and over time.

Specification UTP 6170CO MIG & TIG Welding Wire



Classification	AWS A5.11
Form	MIG spools, TIG cut lengths, Reels and Coils
Type Of Welding	Inert Gas Welding
Standard TIG straight lengths are available	36" (914 mm) or 39" (1000 mm) lengths. Other lengths available upon request.

UTP 6170CO MIG & TIG Welding Wire Filler Metal Application & uses

Hardware tools
Metallurgy
Machinery
Construction
Shipbuilding
Petroleum
Chemical plant
Power sector
Gas Industry

Equivalent Grade Of UTP 6170CO Welding Electrodes



Class	UNS	Oxford Alloys	DIN
UTP 6170Co	N06017	Oxford Alloy 617	2.4663

UTP 6170CO MIG & TIG Welding Wire Chemical Composition



C	Si	Mn	Cr	Ni	Nb	Ti	Zr	Fe
0.4	1.0	1.7	25.5	35.5	1.2	+	+	Balance

UTP 6170CO MIG & TIG Welding Wire Parameters



Welding Process	Shielding Gas	Polarity	Wire Diameter (mm)	Current (A)	Voltage (V)
MIG (GMAW)	Argon + 2% CO ₂ or Argon + 2% O ₂	DCEP (+)	0.8 – 1.2	80 – 220	18 – 28
TIG (GTAW)	100% Argon	DCEN (-)	1.6 – 3.2 (Rod)	50 – 160	As required by arc length

People Also Searched

UTP 6170CO welding wire, ERNiCrCoMo-1 filler metal, Alloy 617 TIG rod, UNS N06617 MIG wire, Inconel 617 welding rod, nickel-chromium-molybdenum alloy wire, heat-resistant welding wire, high-temperature welding filler, corrosion-resistant nickel alloy, ASTM ERNiCrCoMo-1 specification, Alloy 617 chemical composition, Alloy 617 vs Inconel 625, MIG wire for heat exchangers, TIG filler for chemical plants, Alloy 617 mechanical properties, Inconel 617 equivalent, UNS N06617 material, UTP 6170CO datasheet, Alloy 617 rod supplier, welding consumables for turbines, high-temperature alloy filler, nickel alloy MIG wire, superalloy welding filler, nickel-based TIG rod, oxidation-resistant filler metal, Alloy 617 corrosion data, UTP nickel wire supplier, ERNiCrCoMo-1 TIG welding, Alloy 617 UNS N06617 properties, welding wire for power plants, UTP 6170CO technical data, Alloy 617 welding applications, Inconel 617 electrode alternative, nickel alloy MIG TIG wire, heat-resistant filler metal, Alloy 617 welding rod specification, UNS N06617 standard, ERNiCrCoMo-1 wire supplier.